

Amendments to the Claims:

Cancel claims 1-5, without prejudice.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

6. (New) A fuel injection nozzle comprising a housing, the housing comprising:
 - a nozzle needle bore having a central axis and a needle seat;
 - an outside surface radially spaced from the axis; and
 - a cooling duct arranged around the bore, the cooling duct being closer to the bore than to the outside surface of the housing, the cooling duct having a cross-sectional area in a plane through the central axis, the cross-sectional area having a height in the axial direction and a width transverse to the axis, the width being less than the height.

7. (New) The fuel injection nozzle of claim 6 wherein the width is 0.1 to 0.9 times the height.

8. (New) The fuel injection nozzle of claim 7 wherein the width is approximately 0.25 times the height.

9. (New) The fuel injection nozzle of claim 1 wherein the duct extends axially as far as the needle seat.

By Express Mail # EL997184919US · December 2, 2005

10. (New) The fuel injection nozzle of claim 6 further comprising a cooling medium inflow line having a cross-sectional area where the inflow line meets the cooling duct, the cross-sectional area of the cooling duct being approximately twice the cross-sectional area of the inflow line.